

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 61.S3502WO23	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2005/002168	International filing date (day/month/year) 18/07/2005	(Earliest) Priority Date (day/month/year) 23/07/2004
Applicant SPAL AUTOMOTIVE S.R.L.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

Best Available Copy

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/002168

A. CLASSIFICATION OF SUBJECT MATTER
F04D29/38 F04D29/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 945 625 A (SPAL S.R.L) <i>CASO 12</i> 29 September 1999 (1999-09-29) figure 1	1
A	paragraph '0016! - paragraph '0064!; figure 2	3-15
A	figures 3,8	16
A	paragraph '0065! - paragraph '0070!; figure 9	19
A	figure 5	20,21
A	EP 1 016 788 A (HALLA CLIMATE CONTROL CORP) 5 July 2000 (2000-07-05) paragraph '0023! - paragraph '0041!; figures 3-5 ----- -/--	1,8, 10-17, 20,21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 November 2005

Date of mailing of the international search report

22/11/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Di Giorgio, F

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/002168

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 557 239 A (CARRIER CORPORATION) 25 August 1993 (1993-08-25) column 4, line 9 - column 6, line 6; figures 2a,3A-3C,6,7 -----	1,12-18, 20,21
A	US 3 127 093 A (HELIPOD INC.) 31 March 1964 (1964-03-31) column 1, line 59 - column 2, line 33 column 2, line 48 - column 3, line 10; figures 1,4 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/002168

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0945625	A	29-09-1999	AU 2635899 A	18-10-1999
			BR 9908990 A	12-12-2000
			CA 2324951 A1	30-09-1999
			CN 1294659 A	09-05-2001
			CZ 20003453 A3	14-11-2001
			HU 0101286 A2	28-08-2001
			WO 9949223 A1	30-09-1999
			ID 27041 A	22-02-2001
			IL 138549 A	01-06-2004
			JP 2002507699 T	12-03-2002
			PL 343251 A1	30-07-2001
			RO 120215 B1	28-10-2005
			RU 2208712 C2	20-07-2003
			SK 14252000 A3	10-07-2001
			TR 200002721 T2	21-12-2000
			US 6554574 B1	29-04-2003
EP 1016788	A	05-07-2000	DE 69919970 D1	14-10-2004
			DE 69919970 T2	08-09-2005
			JP 3291654 B2	10-06-2002
			JP 2000205190 A	25-07-2000
			KR 2000047976 A	25-07-2000
			US 6287078 B1	11-09-2001
EP 0557239	A	25-08-1993	BR 9300587 A	24-08-1993
			ES 2048695 T1	01-04-1994
			JP 2746806 B2	06-05-1998
			JP 5280493 A	26-10-1993
			JP 2837665 B2	16-12-1998
			JP 10122194 A	12-05-1998
			KR 9711168 B1	08-07-1997
			MX 9300801 A1	01-09-1993
			US 5273400 A	28-12-1993
US 3127093	A	31-03-1964	NONE	